

# CLAIM AMENDMENTS

1-2. (Canceled)

3. (Currently amended) An arrangement for fixing a guide blade segment that forms part of a transition channel between the housing and the bearing pedestal of a turbine housing of a high-pressure turbine and a low-pressure turbine with aircraft gas turbines having different diameters, the transition channel transitioning from a smaller diameter of the high-pressure turbine to a larger diameter of the lower pressure turbine, wherein the guide blade segment comprises an outer platform and an inner platform tensioning the guide blades, wherein the outer and inner platforms, for axial positioning and sealing of the guide blade segment, comprise bars, wherein each of the bars enables a straight surface contact with bearing surfaces of the bearing pedestal and the turbine housing, wherein the guide blade segment, by way of an upstream groove-hook-type connection assigned to the outer platform, is held radially on the turbine housing and secured against rotation by way of a substantially radially extending pin that engages in a slot defined in a hook of the hook-groove-type connection, and wherein ~~grooves~~ a groove of the groove-hook-type connection ~~are~~ is assigned to one of the bearing surfaces of the turbine housing and ~~hooks the~~ hook of the groove-hook-type connection ~~are~~ is assigned to the outer platform of the guide blade segment.

4. (Currently amended) ~~The An arrangement according to claim 3, for~~  
~~fixing a guide blade segment that forms part of a transition channel between the~~  
~~housing and the bearing pedestal of a turbine housing of a high-pressure turbine~~  
~~and a low-pressure turbine with aircraft gas turbines having different diameters,~~  
~~the transition channel transitioning from a smaller diameter of the high-~~  
~~pressure turbine to a larger diameter of the lower pressure turbine, wherein the~~  
~~guide blade segment comprises an outer platform and an inner platform~~  
~~tensioning the guide blades, wherein the outer and inner platforms, for axial~~  
~~positioning and sealing of the guide blade segment, comprise bars, wherein each~~  
~~of the bars enables a straight surface contact with bearing surfaces of the~~  
~~bearing pedestal and the turbine housing, wherein the guide blade segment, by~~  
~~way of an upstream groove-hook-type connection assigned to the outer platform,~~  
~~is held radially on the turbine housing and secured against rotation by way of a~~  
~~pin that engages in the hook-groove-type connection, wherein grooves of the~~  
~~groove-hook-type connection are assigned to the bearing surfaces of the turbine~~  
~~housing and hooks of the groove-hook-type connection are assigned to the outer~~  
~~platform of the guide blade segment, and~~ wherein the bearing surfaces of the  
turbine housing to which the grooves of the hook-groove-type connection are  
assigned also form bearing surfaces for an upstream channel segment of the  
transition channel, which is locked in its installed position by the guide blade  
segment.

5. (Currently amended) A process of fixing a guide blade segment that forms part of a transition channel between the housing and the bearing pedestal of a turbine housing of a high-pressure and a low-pressure turbine with aircraft gas turbines having different diameters, the transition channel transitioning from a smaller diameter of the high-pressure turbine to a larger diameter of the lower pressure turbine, the guide blade segment comprising an outer platform and an inner platform tensioning the guide blades, the platforms, for axial positioning and sealing of the guide blade segment, comprising bars, each of the bars enabling a straight surface contact with bearing surfaces of the bearing pedestal and the turbine housing, the guide blade segment, by way of an upstream groove-hook-type connection assigned to the outer platform, being held radially on the turbine housing, ~~the grooves~~ a groove of the groove-hook-type connection being assigned to one of the bearing surfaces of the turbine housing and ~~hooks~~ a hook of the groove-hook-type connection being assigned to the outer platform of the guide blade segment, comprising securing the guide blade segment against rotation by way of a substantially radially extending pin that engages in a slot defined in the hook of the hooking-groove-type connection.

6. (Currently amended) ~~The~~ A process ~~pursuant to claim 5, of fixing a~~ guide blade segment that forms part of a transition channel between the housing and the bearing pedestal of a turbine housing of a high-pressure and a low-pressure turbine with aircraft gas turbines having different diameters, the transition channel transitioning from a smaller diameter of the high-pressure

turbine to a larger diameter of the lower pressure turbine, the guide blade segment comprising an outer platform and an inner platform tensioning the guide blades, the platforms, for axial positioning and sealing of the guide blade segment, comprising bars, each of the bars enabling a straight surface contact with bearing surfaces of the bearing pedestal and the turbine housing, the guide blade segment, by way of an upstream groove-hook-type connection assigned to the outer platform, being held radially on the turbine housing, the grooves of the groove-hook-type connection being assigned to the bearing surfaces of the turbine housing and hooks of the groove-hook-type connection being assigned to the outer platform of the guide blade segment, comprising securing the guide blade segment against rotation by way of a pin that engages in the hooking-groove-type connection, wherein the bearing surfaces of the turbine housing to which the grooves of the hook-groove-type connection are assigned also form bearing surfaces for an upstream channel segment of the transition channel, which is locked in its installed position by the guide blade segment.